

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)  
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=12; day=3; hr=11; min=14; sec=21; ms=750; ]

=====

Application No: 10522827

Version No: 3.0

Input Set:

Output Set:

Started: 2008-11-10 14:54:48.098

Finished: 2008-11-10 14:54:49.095

Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 997 ms

Total Warnings: 25

Total Errors: 0

No. of SeqIDs Defined: 26

Actual SeqID Count: 26

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)
W 213	Artificial or Unknown found in <213> in SEQ ID (21)

**Input Set:**

**Output Set:**

**Started:** 2008-11-10 14:54:48.098  
**Finished:** 2008-11-10 14:54:49.095  
**Elapsed:** 0 hr(s) 0 min(s) 0 sec(s) 997 ms  
**Total Warnings:** 25  
**Total Errors:** 0  
**No. of SeqIDs Defined:** 26  
**Actual SeqID Count:** 26

Error code

Error Description

This error has occurred more than 20 times, will not be displayed

# SEQUENCE LISTING

<110> Lek Pharmaceuticals d. d.

<120> Synthetic gene coding for human granulocyte-colony stimulating factor for the expression in E. coli

<130> 32992

<140> 10522827

<141> 2005-01-31

<160> 26

<170> PatentIn version 3.5

<210> 1

<211> 525

<212> DNA

<213> artificial

<220>

<223> synthetic

<400> 1

atgacaccac tgggtccagc ttcttctctg ccgcaaagct ttctgttgaa atgtttagaa	60
caagttcgta aaattcaagg tgatggtgca gctttacaag aaaaactgtg tgcaacttat	120
aaactgtgtc atccagaaga actggttctg ttaggtcatt ctctgggtat tccgtgggct	180
cctctgagct cctgtccgag ccaggcgctg cagctggcag gctgcctgag ccaactgcat	240
agcggctctgt ttctgtatca ggggtctgctg caggcgctgg aaggcatttc cccggaactg	300
gggcccacct tggacacact gcagctggac gtcgccgact ttgccaccac catctggcag	360
cagatggaag aactgggaat ggcccctgcc ctgcagccca cccagggtgc catgccggcc	420
ttcgctctg ctttccagcg ccgtgcaggt ggggtcctgg ttgctagcca tctgcaatct	480
tttctggaag ttagctatcg tgttctgcgt catctggctc agccg	525

<210> 2

<211> 528

<212> DNA

<213> artificial

<220>

<223> synthetic

<400> 2

atgacaccac tgggtccagc ttcttctctg ccgcaaagct ttctgttgaa atgtttagaa	60
caagttcgta aaattcaagg tgatggtgca gctttacaag aaaaactgtg tgcaacttat	120

aaactgtgtc atccagaaga actggttctg ttaggtcatt ctctgggtat tccgtgggct	180
cctctgagct cctgtccgag ccaggcgctg cagctggcag gctgcctgag ccaactgcat	240
agcggctctgt ttctgtatca gggctctgctg caggcgctgg aaggcatttc cccggaactg	300
gggcccacct tggacacact gcagctggac gtcgccgact ttgccaccac catctggcag	360
cagatggaag aactgggaat ggccccctgcc ctgcagccca cccaggggtgc catgccggcc	420
ttcgcctctg ctttccagcg ccgtgcaggt ggggtcctgg ttgctagcca tctgcaatct	480
tttctggaag ttagctatcg tgttctgcgt catctggctc agccgtga	528

<210> 3  
 <211> 525  
 <212> DNA  
 <213> Homo sapiens

<400> 3 atgaccccc tgggccctgc cagctccctg ccccagagct tcctgctcaa gtgcttagag	60
caagtgagga agatccaggg cgatggcgca gcgtccagg agaagctgtg tgccacctac	120
aagctgtgcc accccgagga gctgggtgctg ctcggaact ctctgggcat ccctgggct	180
ccctgagct cctgccccag ccaggccctg cagctggcag gctgcttgag ccaactccat	240
agcggccttt tcctctacca ggggtcctg caggccctgg aagggatatc ccccgagttg	300
ggtcccacct tggacacact gcagctggac gtcgccgact ttgccaccac catctggcag	360
cagatggaag aactgggaat ggccccctgcc ctgcagccca cccaggggtgc catgccggcc	420
ttcgcctctg ctttccagcg ccgggcagga ggggtcctgg ttgctagcca tctgcagagc	480
ttcctggagg tgtcgtaccg cgttctacgc caccttgcgc agccc	525

<210> 4  
 <211> 20  
 <212> DNA  
 <213> artificial

<220>  
 <223> synthetic

<400> 4 cctggaagga atatccccg	20
---------------------------------	----

<210> 5  
 <211> 39  
 <212> DNA  
 <213> artificial

<220>  
<223> synthetic  
  
<400> 5  
tatgacacca ctgggtccag ctccttctct gccgcaaag 39

<210> 6  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<223> synthetic

<400> 6  
gcagagaaga agctggaccc agtgggtgtca 30

<210> 7  
<211> 41  
<212> DNA  
<213> artificial

<220>  
<223> synthetic

<400> 7  
ctttctgttg aaatgtttag aacaagttcg taaaattcaa g 41

<210> 8  
<211> 36  
<212> DNA  
<213> artificial

<220>  
<223> synthetic

<400> 8  
gaacttggtc taaacatttc aacagaaagc tttgcg 36

<210> 9  
<211> 33  
<212> DNA  
<213> artificial

<220>  
<223> synthetic

<400> 9  
gtgatgggtgc agctttacaa gaaaaactct gtg 33

<210> 10

<211> 39  
<212> DNA  
<213> artificial  
  
<220>  
<223> synthetic  
  
<400> 10  
gtttttcttg taaagctgca ccatcacctt gaattttac 39

<210> 11  
<211> 42  
<212> DNA  
<213> artificial  
  
<220>  
<223> synthetic  
  
<400> 11  
caacttataa actgtgtcat ccagaagaac tggttctgtt ag 42

<210> 12  
<211> 38  
<212> DNA  
<213> artificial  
  
<220>  
<223> synthetic  
  
<400> 12  
cagttcttct ggatgacaca gtttataagt tgcacaca 38

<210> 13  
<211> 36  
<212> DNA  
<213> artificial  
  
<220>  
<223> synthetic  
  
<400> 13  
gtcattctct gggattccg tgggctcctc tgagct 36

<210> 14  
<211> 42  
<212> DNA  
<213> artificial  
  
<220>  
<223> synthetic  
  
<400> 14  
cagaggagcc cacggaatac ccagagaatg acctaacaga ac 42

<210> 15  
<211> 38  
<212> DNA  
<213> artificial

<220>  
<223> synthetic

<400> 15  
ctctgctttc cagcgccgtg caggtggggt cctgggttg

38

<210> 16  
<211> 31  
<212> DNA  
<213> artificial

<220>  
<223> synthetic

<400> 16  
ctagccatct gcaatccttt ctggaagtta g

31

<210> 17  
<211> 34  
<212> DNA  
<213> artificial

<220>  
<223> synthetic

<400> 17  
acgatagcta acttccagaa aagattgcag atgg

34

<210> 18  
<211> 38  
<212> DNA  
<213> artificial

<220>  
<223> synthetic

<400> 18  
ctatcggtgtt ctgcgtcatc tggctcagcc gtgataag

38

<210> 19  
<211> 35  
<212> DNA  
<213> artificial

<220>  
<223> synthetic



<400> 19	
gatccttatc acggctgagc cagatgacgc agaac	35
<210> 20	
<211> 44	
<212> DNA	
<213> artificial	
<220>	
<223> synthetic	
<400> 20	
gccctggagg ggatttcccc cgagttgggg cccaccttgg acac	44
<210> 21	
<211> 40	
<212> DNA	
<213> artificial	
<220>	
<223> synthetic	
<400> 21	
cctgtccgag ccaggcgctg cagctggcag gctgcctgag	40
<210> 22	
<211> 35	
<212> DNA	
<213> artificial	
<220>	
<223> synthetic	
<400> 22	
cctgccagct gcagcgctg gctcggacag gagct	35
<210> 23	
<211> 40	
<212> DNA	
<213> artificial	
<220>	
<223> synthetic	
<400> 23	
ccaactgcat agcgggtctgt ttctgtatca ggggtctgctg	40
<210> 24	
<211> 40	
<212> DNA	
<213> artificial	

<220>

<223> synthetic

<400> 24

ctgatacaga aacagaccgc tatgcagttg gctcaggcag

40

<210> 25

<211> 35

<212> DNA

<213> artificial

<220>

<223> synthetic

<400> 25

cagcgctgg aaggcatttc cccggaactg ggcc

35

<210> 26

<211> 40

<212> DNA

<213> artificial

<220>

<223> synthetic

<400> 26

ccagttccgg ggaaatgcct tccagcgct gcagcagacc

40